

Geographic Spread



South Carolina reported sporadic activity this week.

Influenza Activity



Overall, there was a decrease in influenza activity this week.

Regional Influenza Activity



A decrease



A decrease



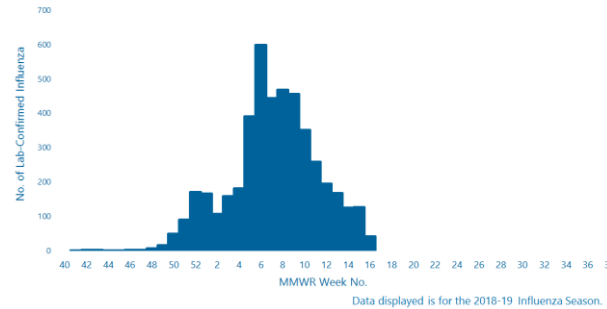
A decrease



No change

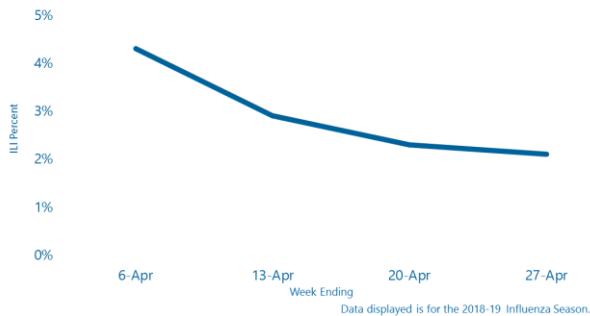
Virologic Surveillance

This week there were **32** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **4593** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 2.1%, which is below South Carolina's baseline (3.53%). The ILI activity level overall was minimal.



Influenza-Associated Hospitalizations

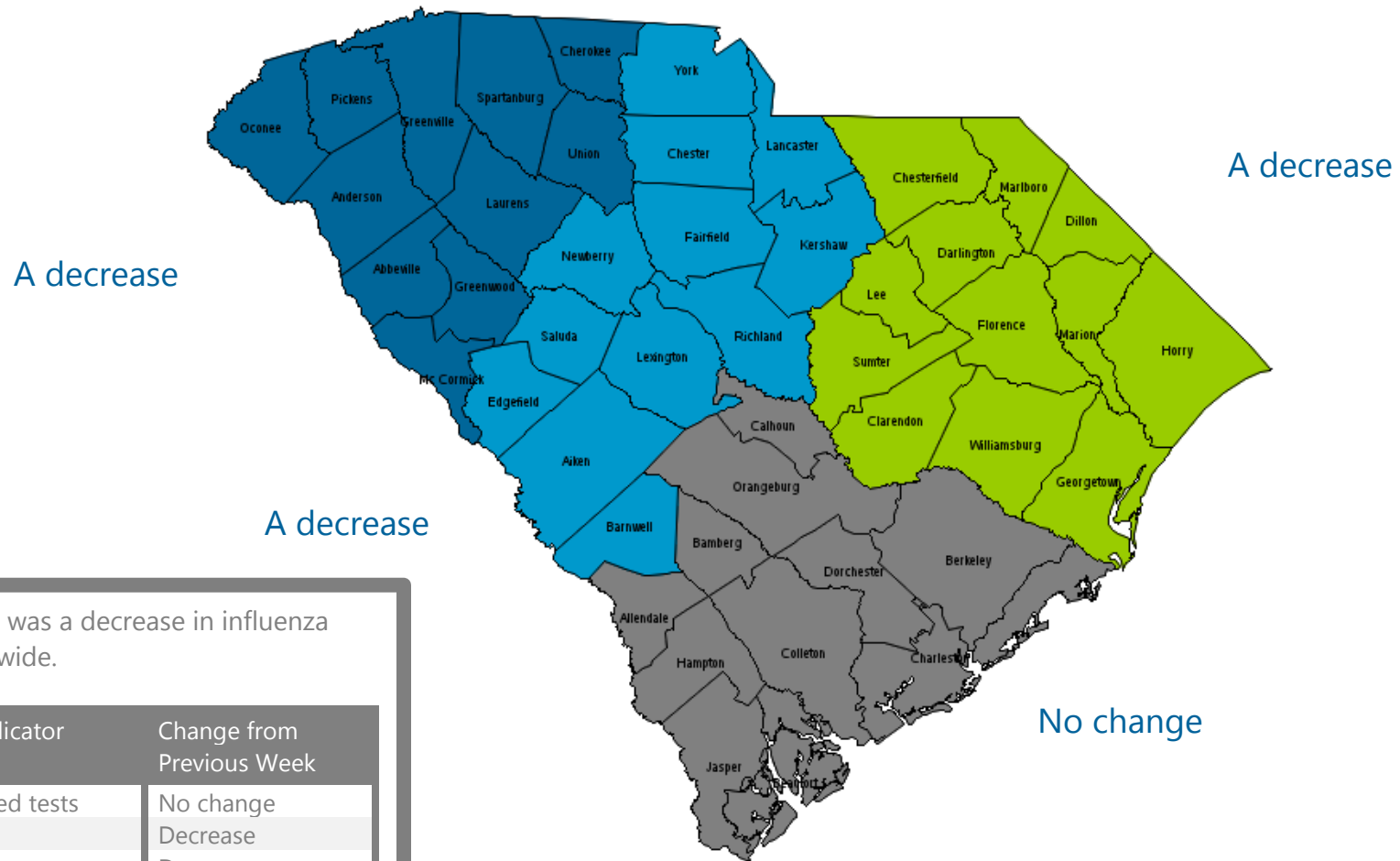
This week 14 influenza-associated hospitalizations were reported by 41 hospitals. The cumulative hospitalization rate is 52.2 per 100,000. In the current flu season, there have been 2620 influenza-associated hospitalizations.

Influenza-Associated Deaths

This week 1 influenza-associated death was reported however, the death occurred during previous weeks. The cumulative mortality rate is 1.8 per 100,000. In the current flu season, there have been 88 influenza-associated deaths.

Influenza Activity*

In the 4 Public Health Regions, activity showed...



*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

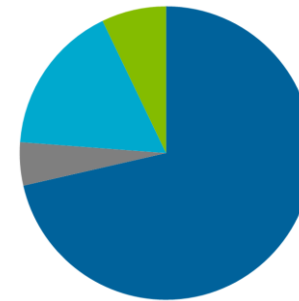
Influenza Type	Season Totals To Date					
	No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
Overall		42	4593	3555	2419	1743
Influenza A		39(92.9)	4457(97.0)	2442(68.7)	1557(64.4)	1268(72.7)
A(H3)		7(17.9)	576(12.9)	533(21.8)	400(25.7)	265(20.9)
A(H1N1)		2(5.1)	442(9.9)	207(8.5)	64(4.1)	295(23.3)
A(NS) [*]		30(76.9)	3439(77.2)	1702(69.7)	1093(70.2)	708(55.8)
Influenza B		3 (7.1)	136(3.0)	1113(31.3)	862(35.6)	466(27.3)
B (Victoria)		--	2(1.5)	2 (0.2)	--	0.4 (0.1)
B (Yamagata)		--	--	55(4.9)	--	11 (2.3)
B (LND) ⁺		3(100)	134(98.5)	1056(94.9)	862(100)	454(97.6)

*NS – not subtyped

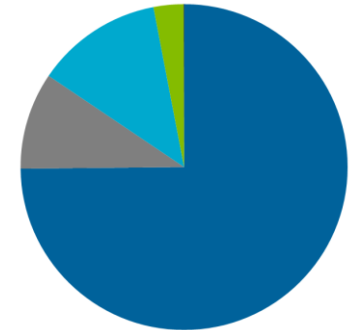
+LND – lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

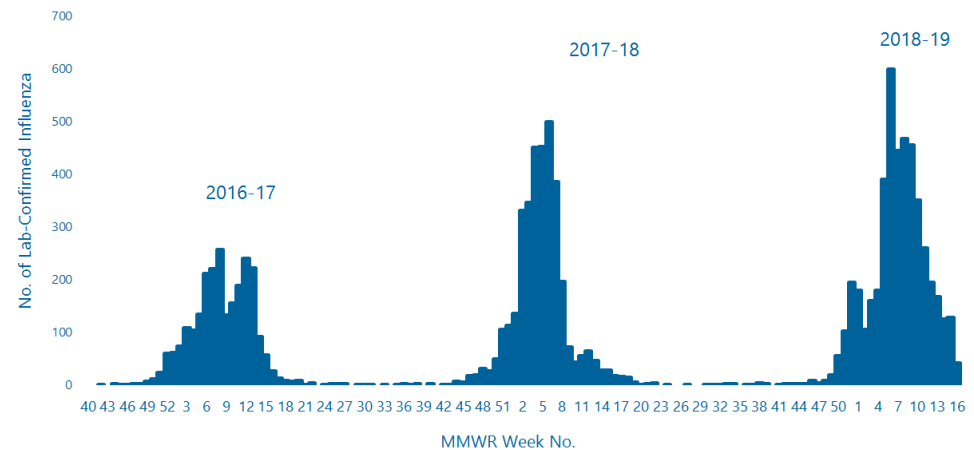
Week ending 4/27



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



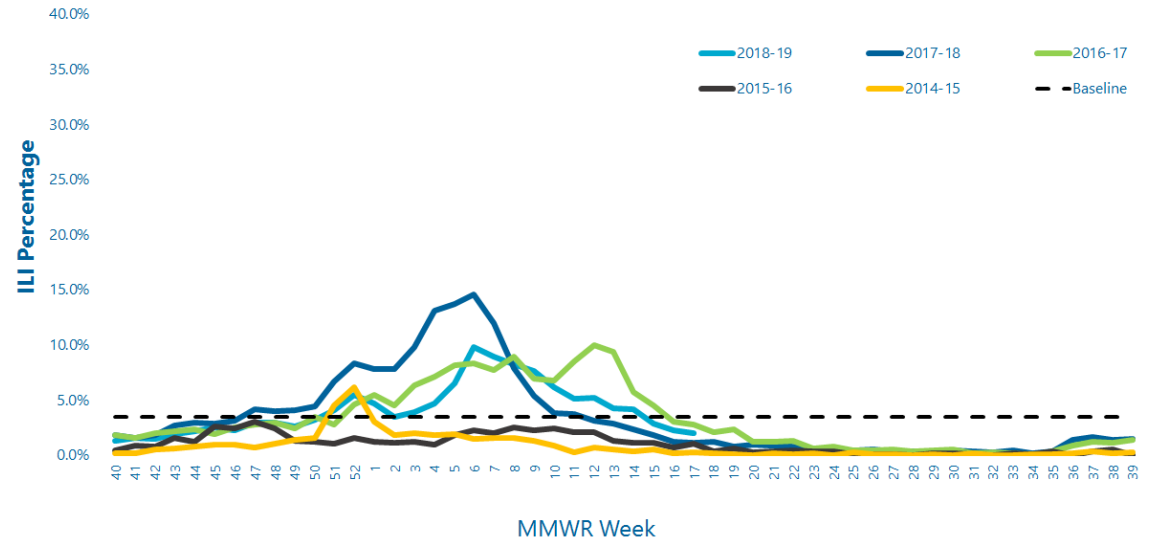
Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and 2.1% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is below the state baseline, 3.53%.

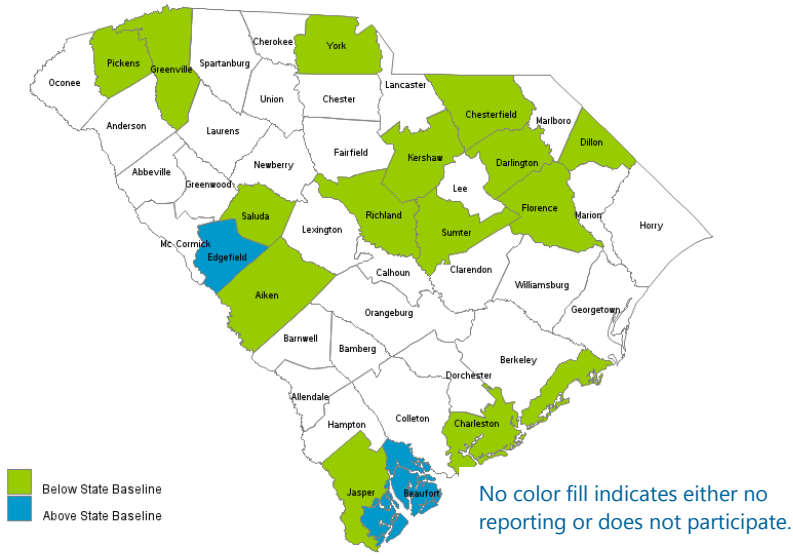
Reports were received from providers in 16 counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

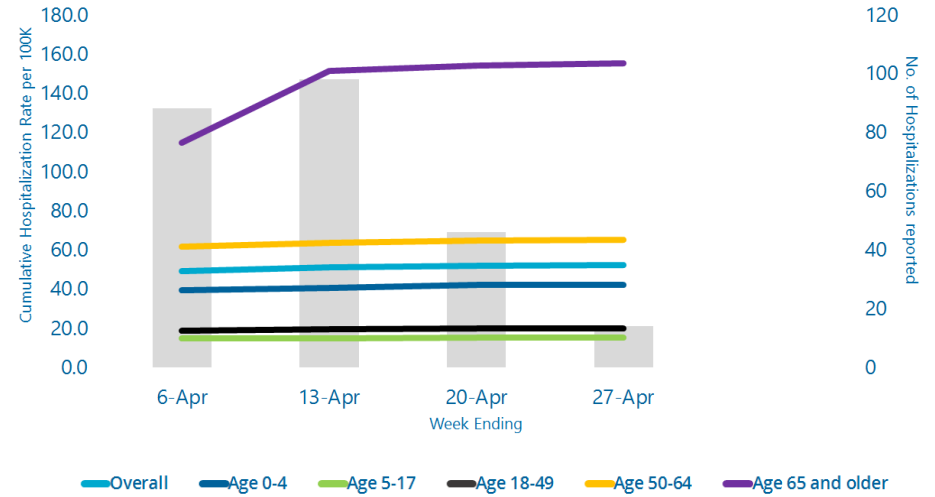
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: **MINIMAL** LOW MODERATE HIGH

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	14(0.3)	--	--	3(0.2)	4(0.4)	8(0.9)
2018-19	2620(52.2)	123(41.9)	123(15.2)	408(19.8)	649(65.0)	1340(155.0)
2017-18	4442(88.0)	155(52.8)	138(17.0)	578(28.1)	1039(104.1)	2532(292.9)
2016-17	2448(49.4)	109(37.3)	127(15.8)	330(16.2)	549(55.4)	1333(160.7)
5 season average	2665(54.2)	152(52.3)	116(14.4)	431(21.3)	624(63.6)	1340(165.3)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	0	--	--	--	--	--
2018-19	88(1.8)	2(0.7)	1(0.1)	6(0.3)	22(2.1)	57(6.6)
2017-18	287(5.7)	3(1.0)	--	27(1.3)	51(5.1)	206(23.8)
2016-17	93(1.9)	1(0.3)	1(0.1)	9(0.4)	15(1.5)	67(8.1)
5 season average	126(2.6)	1(0.3)	1(0.1)	15(0.7)	23(2.3)	87(10.6)



Influenza-Associated Deaths by Region

